

## PRESIDENT DIRECTS AIR SQUADRON BY NEW RADIO PHONE

WASHINGTON, Nov. 22.—Through a radio telephone installed on the south portico of the White House, President Wilson today directed the maneuvers of half a dozen army air-planes flying over the Potomac river several miles away. Mrs. Wilson and George Creel, chairman of the committee on public information, were the spectators, with a group of army officers, who conducted the installation of the aerial, connected with a small field switchboard at which the president stood.

The planes in formation nose-dived several times and swung around a circle 1,500 to 2,000 feet above the ground. They were scarcely visible. Several telephone receivers were connected to the switchboard and Mrs. Wilson and other members of the party were enabled to listen to the command, as well as watch the execution. A single plane carrying a flight commander rose in the air first and flew up and down, dived and looped in accordance with the order telephoned from the ground. Then, following directions, the flight commander flew back to Bolling field and in response to orders called upon his squadron to maneuver.

Colonel Culver invents device. The telephone as used today was adapted for three to five or six miles. It is similar to the instruments used by American aviators in France, the secret of which was disclosed after the armistice was signed.

Colonel C. C. Culver is credited in the department of military aeronautics with having been the active agent in the development of the device. "It was in August, 1919, that I first became interested in the possibility of sending messages from airplanes," Colonel Culver said today, "and commenced a series of experiments which were so far successful that in August, 1918, I was enabled to send a radio telegraph message from a plane over Chatsworth, California, to San Diego, a distance of 140 miles."

"In February, 1917, after we had enlisted the assistance of the foremost American telephone companies and their expert acoustical men, we succeeded in transmitting vocal messages from a plane to the ground. In October, 1917, I took the first sets to France and made demonstrations there. By August, 200 complete sets had been sent to our forces in France, and our whole effort was being devoted to the complete utilization of the possibilities in the offensive, we expected next spring."

Old Principles Applied. "Nobody invented anything new in applying the radio telephone to military airplanes. What was done was the adaptation and adjustment of previously discovered laws to a new field."

Only squad and flight leaders have their planes equipped with transmitters, so that orders may give orders, as a power plant is required to generate current. The receiving apparatus, which is very light, can be installed on all planes. The visible portion of the radio set resembles almost exactly the ordinary telephone receiver and transmitter. Colonel Culver predicted that the telephone would be a valuable adjunct to commercial use of air planes.

## RAILROADS HURRY BIG STEEL ORDERS

WASHINGTON, Nov. 22.—A program of \$200,000,000 of expenditures for railroad additions and betterments and equipment already ordered but not delivered for the remainder of this year and next year was announced today by the railroad administration. This does not include cars and locomotives which may be ordered next year. The announcement, issued in view of recent recommendations of steel interests, that the railroad administration large advance orders for equipment to keep mills busy, presented an estimate that there remains \$232,000,000 to be spent out of this year's budget for additions and betterments already authorized; \$254,000,000 for equipment ordered but not yet delivered and \$250,000,000 for additions and betterments to ways and structures in 1919. This is the first statement indicating what the railroad administration intend next year for improvements to tracks and building operations. About 1,415 locomotives and 100,000 freight cars of this year's orders have not yet been delivered.

## CLYNES WILL NOT ACCEPT

LONDON, Nov. 22.—Speaking at Nottingham tonight, John R. Clynes announced that in accordance with the demand of the labor party he would not accept office under the new government.

The British labor party at a conference on November 14 decided to withdraw its members from the cabinet at the close of the present parliament. The resignation of J. R. Clynes, who is a laborite, as British food controller was announced Friday.

## COPPERS

Compiled for The Republican by R. Allen Lewis, E. F. Hutton & Co.'s leased wire. Hotel Adams Building, 119 North Central Ave.

Asks	Bids
Ariz. Binghamton...	13 1/2
Ariz. Com'l...	14
Anaconda Copper...	65 1/2
Big Ledge...	11-16
Butte & Superior...	29 1/2
Cerro de Pasco...	35
Con. Ariz.	113-18
Cal. & Ariz.	67 1/2
Cal. & Hecla...	45 1/2
Calumet & Jerome...	9-16
Chile...	20
Chino...	28
Dundee-Arizona...	1 1/2
Green Monster...	7-16
Greene Cananea...	49
Iron Blossom...	9-16
Inspiration...	48 1/2
Iron Cap...	17
Jerome Verde...	7
Kennecott Copper...	25 1/2
Magma...	29 1/2
Magma Chief...	1 1/2
Miami...	25 1/2
Nevada Conso.	18 1/2
New Cornelia...	17
Old Dominion...	39 1/2
Ray Cons.	21 1/2
Ray Hercules...	3 1/2
Shannon...	3 1/2
Silver King...	7-16
Spr. & Boston...	3 1/2
United Eastern...	4 1/2
United Verde Ext.	36 1/2
Utah...	37
Verde Combination...	76 1/2
Wright-Martin...	45

## BILL AND HIS BOYS ARE ON THEIR UPPERS—LOOKING FOR JOBS; DON'T WANT TO WORK, DON'T KNOW HOW; IT'S A TOUGH LIFE



The Hohenzollern family in its palmy days. Back row, left to right, Prince Joachim, Duchess of Brunswick and Duke of Brunswick. Second row: Prince Oscar, Princess Augustus, Crown Prince Wilhelm and Eitel Frederick. Front row: Princess Eitel Frederick, the Crown Princess, Prince Adalbert and Prince August Wilhelm.

The downfall of the Hohenzollern dynasty in Germany throws ex-Kaiser Wilhelm and his bevy of pretty, thin-brained sons out of a means of livelihood. If the peace

delegates and the present leaders in Germany do their work well they probably will confiscate the riches the family has hoarded up. So the cheese war lord and his boys will be up against it. It'll be

a tough life for them. The Kaiser's short arm will handicap him. He can paint a little, but not much. The boys aren't exactly accomplished in any honest trade. Anybody short of labor?

## HUNS ROB YANKEES OF SOX AND SHIRTS

HEADQUARTERS OF THE AMERICAN FIRST ARMY, Nov. 22.—(By The Associated Press.)—Sergeant Robert Faucett, of Virginia, Minnesota, and Private John Kristensen, of New York city, have reached here after two months' imprisonment at Colmar. They were discharged from the German prison on November 12 and told to make their way to the frontier. They were the only American prisoners held at Colmar where they were used in concrete dugout construction.

Both relate a story of most scanty food and sleep, but not brutal treatment. They state that their captors took away their underwear, socks and shirts, leaving them only their uniforms and shoes. The men walked three days before crossing the frontier. On the way they met thousands of returning German troops who gave the Americans half the roadway, all the officers saluting them.

Faucett says that the revolution at Colmar occurred on November 10, the revolutionists ordering the German officers to remove their insignia and all the soldiers and officers to wear the black and red badge of revolution. The revolutionists released all the military prisoners but there was no general disorder.

## AMERICAN NAVY HAS HUMANE TRADITIONS

(Review of Reviews) The navy—and the same ideals animate the army—has not forgotten the directions that its first captain received from Benjamin Franklin. Under authority of congress, Franklin issued instructions to John Paul Jones which are in marked contrast with the instructions which are given to German captains of our day. The colonies were sorely pressed. If ever a nation might have pleaded necessity as an excuse for ignoring the laws of humanity it was the struggling and poorly equipped colonies. But hard pressed as they were, let us rejoice that Benjamin Franklin had John Paul Jones "not to burn defenseless towns on the British coast except in cases of military necessity; and in most cases he was bidden to give notice so that women and children, with the sick and aged inhabitants, might be removed before."

These words seem to be a voice from a past century rising up to rebuke the bloody nation which failed to adopt Franklin's humane policy, all the more remarkable in a century when piracy was common upon the highways of the sea. But the American philosopher hoped his young navy would not only refrain from ruthlessness, but expressed the ardent wish that the commander might render service to a sea captain whose discoveries had won him fame, for Franklin bade the American cruisers, if they chanced to meet Captain Cook, the great English explorer, to "forget the temporary quarrel in which they were fighting and not merely suffer him to pass unmolested but offer him every aid and service in their power."

## BRUGES IS BITTER AGAINST GERMANS

BRUGES, Nov. 22.—(By The Associated Press.)—The civil population of Bruges is much more bitter toward the Germans than the soldiers who have fought them for more than four years. Terms of bitter hate and a demand of revenge come from the civilians alone; the soldiers grin soberly.

The correspondent entered a cigar store where an old lady sold him a villainous cheroot, a relic of German occupation. She launched into a violent denunciation of the invaders. "The war must not end like this," she declared. "We must go into Germany; we must make them suffer and expiate their crimes." On the day of departure, she said, the Germans had robbed her store of \$500 worth of the best cigars and cigarettes.

On the Grand Place, in the shadow of the famous belfry, an angry citizen was declaiming against the invaders. "The pigs! The swine!" he shouted. "Shall the netter be punished? Will they not suffer any of the hardships they inflicted upon us? Shall they not salute our officers, while their soldiers are pushed into the gutters, as our soldiers pass on the sidewalks? It is inconceivable their women are to be spared humiliation of begging for passports, as ours had to do."

This citizen was a hotelkeeper from whom the Germans had requisitioned 2,000 bottles of wine from the hotel cellars, according to the statement of one of his auditors.

## LAUNCH TWO AT HOG ISLAND

PHILADELPHIA, Nov. 22.—Hog Island had its first double launching today, the Sigsbee and Sigsbee, 7,500 tons cargo boats, taking the water fifteen minutes apart. With the launching of these ships, six vessels are now off the ways. The yard is to build 150. Construction work is said to be proceeding at a rate which will yield an average of one ship every four or five days.

## WANT GOMPERS NAMED

EAST LIVERPOOL, Ohio, Nov. 22.—The appointment of Samuel Gompers, president of the American Federation of Labor, as a member of the United States peace commission was urged upon President Wilson in a telegram sent from the National Brotherhood of Operative Pottery here today. The brotherhood represents 8,000 skilled workmen in pottery centers throughout the nation.

## WILSON LEADS SINGERS

WASHINGTON, Nov. 22.—President Wilson appeared unexpectedly at an entertainment given at Central High school here tonight as a farewell to members of the supply division of the quartermasters corps. When during the entertainment those present joined in singing a popular patriotic song, the president walked to the stage, took an American and a French soldier by the arm, and led the singers in the chorus.

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## TODAY'S SPORTS

### TODAY'S FOOTBALL EVENTS

CHICAGO, Nov. 22.—Football will reach its climax in the middle west tomorrow with Illinois meeting Chicago, Wisconsin playing Ohio state at Columbus, and Northwestern meeting Iowa City, in the important "big ten" contests.

Chief interest centers in the Chicago-Illinois game as Illinois, if victorious, in its fourth contest of the season, will have a stronger claim to the championship. Iowa, Wisconsin, and Ohio state already have been defeated by Illinois, which has played better football than Chicago all season and is expected to score an easy triumph.

The University of Michigan will meet the Michigan Aggies at Ann Arbor; the undefeated Chicago Naval reserve will play Minnesota at Minneapolis; Camp Grant will meet the Cleveland Naval reserves at Cleveland, and Camp Dodge will oppose Nebraska at Lincoln.

In the other western games of note, Notre Dame will meet Purdue at Lafayette, and the Kansas Aggies and Iowa state will meet at Manhattan.

### Eyes on Annapolis

ANNAPOLIS, Md., Nov. 22.—Intense interest centers in the football game between the Great Lakes naval training station of Chicago and the Annapolis middies to be played on Farragut field tomorrow afternoon. Both teams are declared to be in the best of condition for the struggle and it is expected that it will develop into the hottest gridiron contest of the season.

### Drakes Win From Medics

DES MOINES, Iowa, Nov. 22.—In a game marked by ragged playing, Drake University defeated the Fort Des Moines medics at football today 24 to 6.

### Games in Colorado

DENVER, Nov. 22.—The renewed ban on public gatherings in this city and the snowstorm throughout the state will not be sufficient to halt Rocky mountain conference football tomorrow. The game between the Colorado Teachers' college, scheduled for this city, was late tonight transferred to Golden, while at Boulder, which is virtually the only large city in the state where an edict against public gatherings is not in force, the annual classic between the University of Colorado and the University of Denver will be staged.

### "Augie" Retains Title

CHICAGO, Nov. 22.—Angie Kierkehefer, world's champion, three-cushion billiardist, successfully defended his title tonight when he defeated Robert Cannefax, former champion, in their three-night match, 150 to 106 in 147 innings. Kierkehefer now has defended the title successfully five times since he won the championship last February.

### Cannefax won tonight's closing frame, 54 to 59 in 65 innings, but he was far behind, as a result of the two preceding blocks.

### WILD FLOWER NOW HOTHOUSE PETS

The once-despised daisy has become a fashionable flower within recent years, and is now grown in great quantities for market in greenhouses. Likewise, the dandelion is being improved



# November 30th

## Is the Last Day

If You Are Going to Make a Merry Christmas for the "Boy Over There"

### Buy "His" Gift at "His" Store

Home of Hart Schaffner & Marx Clothing



by cultivation, and may yet be developed into a really magnificent flower, golden yellow, five or six inches in diameter and with petals multiplied in number.

The original cypripedium, from which all the superb varieties we know today are descended, was, in its wild state, no bigger or handsomer than a dandelion. It is found that the latter grows with astonishing rapidity and luxuriance of bloom under cheesecloth shade.

Buttercups of several varieties and superior size (the plants being multiplied by dividing the roots) are now grown in hothouses; likewise yellow and red violets. In late winter there is a great demand for cultivated spring wild flowers, ahead of the season; also for pansies, which themselves were wild flowers and unknown to gardens up to 1819.

In that year a little girl named Mary Penner, a daughter of the Earl of Tankerville, undertook to plant in her garden at Walton-on-Thames every variety of pansy she could find. Before long pansy culture became the rage, and even to the present day it is a popular fad in Europe.

Hitherto it has not been found practicable to tame the wild mayflower or trailing arbutus, but discovery has recently been made of the fact that it will grow luxuriantly in pots if supplied with soil composed of half-rotted oak leaves mixed with 10 per cent of sand and a liberal quantity of small, broken bits of old flowerpots for drainage.

Now that this has been ascertained, it is presumable that the much-admired arbutus will be grown before long in quantities under glass for the late winter market. In the wild state it is already rare, owing largely to the eager persistence with which in spring time people seek and pluck the blossoms, or even dig up the plants, thus depriving them of an opportunity to produce seeds and keep the species going.

# Model Independent Cash Market OPENS TODAY

TODAY, NOVEMBER 23

## MANY LIBERAL SPECIALS ARE OFFERED

In order to introduce to our many old time friends and customers—as well as the housewives of Phoenix—we offer the following specials for Saturday only:

T-Bone Steak, per lb. ....	30c	Veal Round Steak, per lb. ....	30c
Sirloin Steak, per lb. ....	25c	Veal Chops, per lb. ....	30c
Round Steak, per lb. ....	25c	Veal Rib Roast, per lb. ....	25c
Shoulder Steak, per lb. ....	20c	Veal Shoulder Roast, per lb. ....	22 1/2c
Shoulder Steak, Two pounds .....	35c	Veal Chuck Roast, per lb. ....	20c
Prime Rib Roast, per lb. ....	25c	Pork Roast, per lb. ....	30c
Shoulder Roast, per lb. ....	17 1/2c	Pork Chops, per lb. ....	35c
Chuck Roast, per lb. ....	15c	Pork Steak, per lb. ....	30c
Rib Boiling Beef, per lb. ....	15c	Home Made Pork Sausage, per lb. ....	20c
Rib Boiling Beef, Two pounds .....	25c	Hamburger Steak, per lb. ....	20c
Brisket of Beef, per lb. ....	15c	Mutton Chops, per lb. ....	30c
Brisket of Beef, Two pounds .....	25c	Roast Mutton, per lb. ....	30c
Veal Loin Steak, per lb. ....	30c	Leg of Mutton, per lb. ....	30c

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## PETTY DINK—It's a Clever Idea, But Petty Won't Get Away With It



By C. A. VOIGHT